AMENDMENTS TO THE CLAIMS:

Please replace the claims with the claims provided in the listing below wherein status, amendments, additions and cancellations are indicated.

1. (Currently Amended) An air blower comprising:

a case body having an air suction mouth formed on at least one side surface thereof and an outlet formed at a peripheral wall thereof;

a motor which is installed into the case body, having a fluid dynamic bearing; and

an impeller which is fixed to a rotation member of the motor in order to locate at an outer circumferential part of the motor, suctioning air from the air suction mouth by rotating and discharging from the outlet.

2. (Currently Amended) An air blower comprising:

a case body having an air suction mouth formed on at least one side surface thereof and an outlet formed at a peripheral wall thereof;

a motor which is installed into the case body, having a fluid dynamic bearing;

an impeller which is fixed to a rotation member of the motor in order to locate at an outer circumferential part of the motor, suctioning air from the air suction mouth by rotating and discharging from the outlet; and

means for blocking an extreme movement of the impeller to a thrust direction and preventing the impeller from hitting ~~to hit~~ the case body.

3. (Currently Amended) An air blower comprising:

a case body having an impeller storage room;

a motor which is installed into the impeller storage room of the case body, having a fluid dynamic bearing;

an impeller which is fixed to a rotation member of the motor in order to locate at an outer circumferential part of the motor, the impeller having a disc-shaped impeller body with a plurality of holes that equalize a pressure on a first side and a second side of the impeller body;

an intake silence channel including at least one silence room and an air suction mouth which are formed in the case body, sucking air into the impeller storage room by rotation of the impeller; and

a discharge channel provided at the case body, discharging air which is sucked inside the impeller storage room to exterior portion by rotation of the impeller.

4. (Currently Amended) An air blower comprising:

a case body having an impeller storage room;

a motor which is installed into the impeller storage room of the case body, having a fluid dynamic bearing;

an impeller which is fixed to a rotation member of the motor in order to locate at an outer circumferential part of the motor;

means for equalizing a pressure on a first side and a second side of a body of the impeller and thereby blocking an extreme movement of the impeller to a thrust direction and preventing the impeller from hitting ~~to hit~~ the case body;

an intake silence channel including at least one silence room and an air suction mouth which are formed in the case body, sucking air into the impeller storage room by rotation of the impeller; and

a discharge channel provided at the case body, discharging air which is sucked inside the impeller storage room to exterior portion by rotation of the impeller.

5. (New) The air blower of claim 1, wherein the motor is further comprised of a shaft, the rotation member being rotatably supported by the shaft and configured to rotate around the shaft without contact between the shaft and the rotation member.

6. (New) The air blower of claim 2, wherein the motor is further comprised of a shaft, the rotation member being rotatably supported by the shaft and configured to rotate around the shaft without contact between the shaft and the rotation member.

7. (New) The air blower of claim 3, wherein the motor is further comprised of a shaft, the rotation member being rotatably supported by the shaft and configured to rotate around the shaft without contact between the shaft and the rotation member.

8. (New) The air blower of claim 4, wherein the motor is further comprised of a shaft, the rotation member being rotatably supported by the shaft and configured to rotate around the shaft without contact between the shaft and the rotation member.

9. (New) The air blower of claim 1, wherein the impeller is comprised of an impeller body with a plurality of through-holes extending between a first side of the impeller body through which an axis of rotation of the impeller extends and a second side of the impeller body through which an axis of rotation of the impeller extends.

10. (New) The air blower of claim 1, further comprising means for equalizing a pressure on a first side and a second side of a body of the impeller.

11. (New) The air blower of claim 1, wherein the motor is further comprised of

a base fixed to the case body;

a shaft having a proximal end fixed to the base and a distal end of the shaft extending from the base;

a sleeve arranged around an outer circumferential part of the shaft with a minute space between the sleeve and the shaft;

a rotor with an arrangement of magnets fixed to an outer circumferential part of the sleeve;

a coil attached to the base plate so as to be positioned around an outer circumferential part of the rotor;

a back yoke attached to the rotation member so as to be positioned around an outer circumferential part of the coil;

a concave part which forms an upper part of the rotation member, the concave part covering the shaft, and supporting the sleeve, the rotor and the back yoke;

a first thrust magnet fixed to the concave part;

and

a second thrust magnet fixed to the distal end of the shaft so as to face to the first thrust magnet.

12. (New) The air blower of claim 5, wherein the motor is further comprised of

a base fixed to the case body, the shaft having a proximal end fixed to the base and a distal end of the shaft extending from the base;

a sleeve arranged around an outer circumferential part of the shaft with a minute space between the sleeve and the shaft;

a rotor with an arrangement of magnets fixed to an outer circumferential part of the sleeve;

a coil attached to the base plate so as to be positioned around an outer circumferential part of the rotor;

a back yoke attached to the rotation member so as to be positioned around an outer circumferential part of the coil;

a concave part which forms an upper part of the rotation member, the concave part covering the shaft, and supporting the sleeve, the rotor and the back yoke;

a first thrust magnet fixed to the concave part;

and

a second thrust magnet fixed to the distal end of the shaft so as to face to the first thrust magnet.